



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-8960

January 25, 2018

(b)(6)

SUBJ: EPA Asbestos Removal at 226 Crane Street

Dear (b)(6):

Enclosed, you will find the Removal Action Status Report for the property located at 226 Crane Street in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: garrard.jordan@epa.gov or myself directly at (678) 575-8132, via email: miller.angela@epa.gov, at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

Angela R. Miller, US EPA
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator
Miguel Alvalle, NC DEQ

REMOVAL ACTION STATUS REPORT DAVIDSON ASBESTOS

Property Address: 226 Crane Street, Davidson, Mecklenburg County, North Carolina

Original Asbestos Sampling Information: Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results are reported in increments of 0.25 percent asbestos. Those samples with analytical results reported as “trace” (less than 0.25 percent asbestos) were further analyzed by fluidized bed analysis and reported in soil concentrations of phase contrast microcopy equivalent (PCME) structures per gram (s/g) of soil.

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
226 Crane Street	Front Yard	No Asbestos Detected	No Asbestos Detected
	Back Yard	0.0 s/g	No Asbestos Detected

Description of Removal Action: The soil was excavated to an approximate maximum depth in the following areas: backyard lawn to 12 inches and along the tree line located on the western side of the residence and the residential drip lines to 3 inches (see Appendix 1). Visual inspections of the excavated areas for asbestos-containing materials (ACM) were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. There were no ACM visibly present in the excavated areas and restoration was allowed to commence.

Summary of Multimedia Sampling Results: Perimeter air sampling was not conducted during removal activities on June 21, 2017, because of rain forecasted throughout the day. A 7-point composite soil sample was collected from the excavated areas before restoration began and the analytical result indicated no asbestos detected.

Composite soil sampling was conducted by a State of North Carolina-accredited air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

Restoration of Property: Restoration work included installation of snow fencing on top of the subsurface of the excavated backyard lawn area, backfill, topsoil, and sod in the excavated backyard lawn areas, topsoil, and along the tree line on the western side of the residence. All areas were restored to the original height of the surrounding grade.

Time Frame of Removal Action: Removal activities began and were completed on June 21, 2017.

Appendices to this report include:

1. Figure of removal area locations
2. Photographic log of removal activities

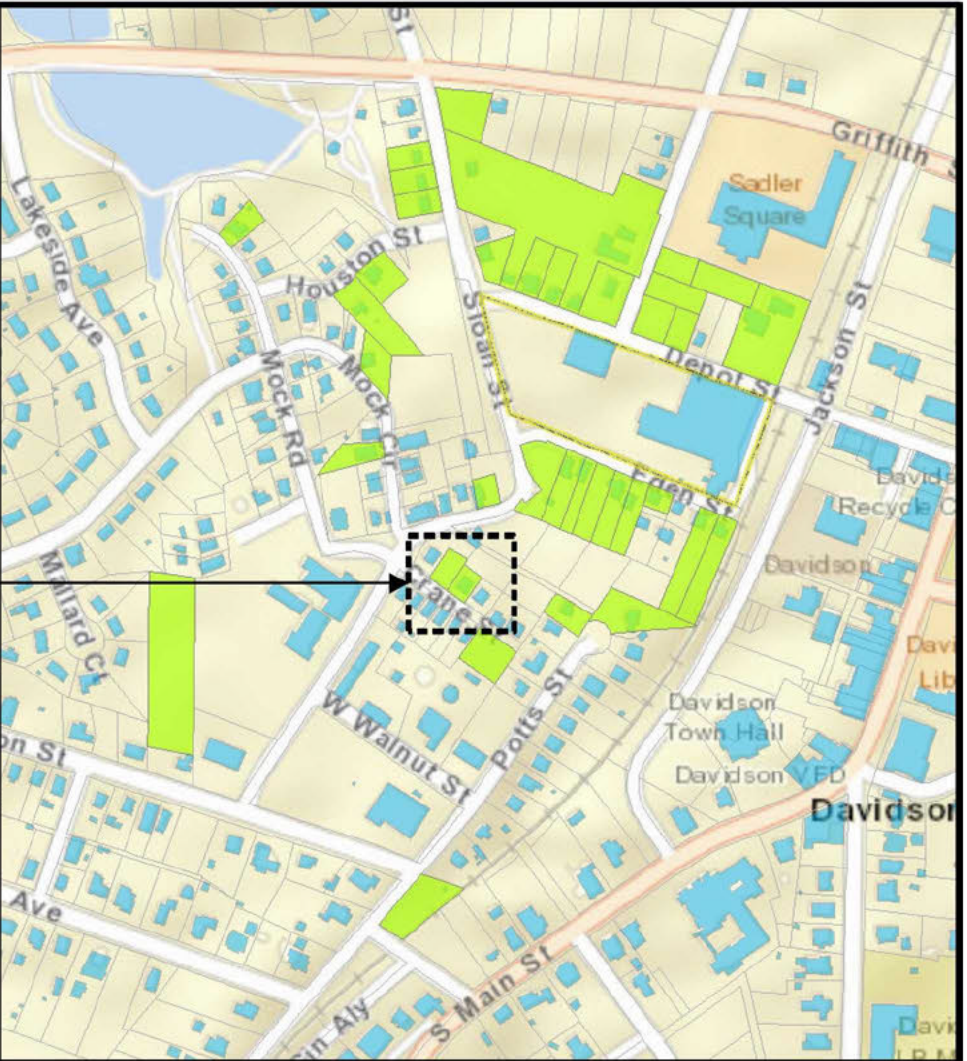
APPENDIX 1

FIGURE

(One Page)





bing
Aerial Image Source: Bing Maps Aerial Imagery Service, 2011

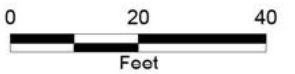


Legend

-  Removal Area
-  Parcel Boundary

Inset Map

-  *Parcels with Removal Activities*
-  Building/Structure



Map Sources:
Aerial Imagery, Bing Maps, 2012-2014;
Parcels, <http://maps.co.mecklenburg.nc.us>



United States
Environmental Protection Agency
Region 4

FIGURE 1

Removal Areas and
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City: Davidson County: Mecklenburg State: North Carolina



TETRA TECH

Date:
12/7/2017
Analyst:
dale.vonbusch

226 Crane Street

APPENDIX 2
PHOTOGRAPHIC LOG
(Eight Pages)



OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

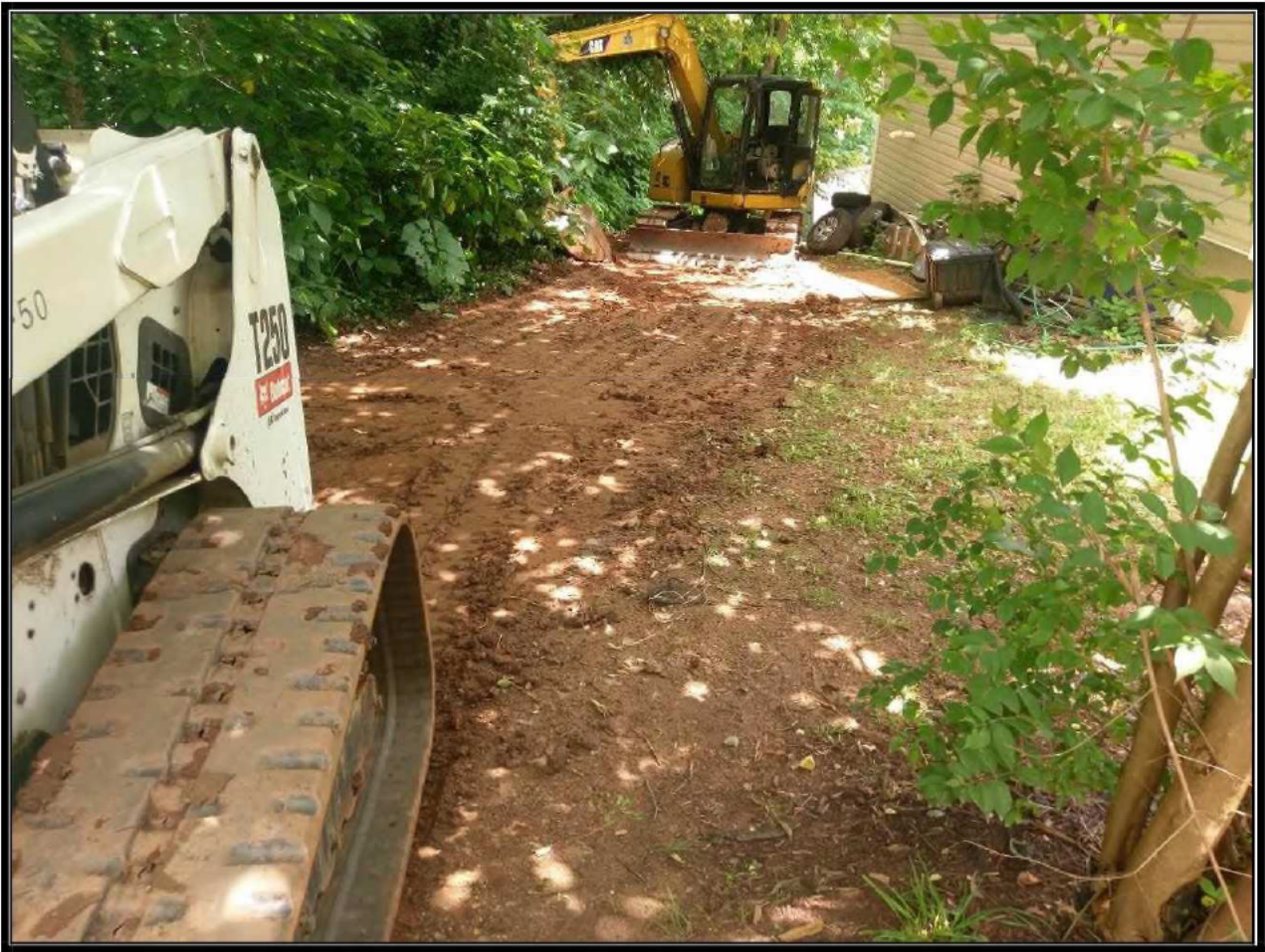
Orientation: Southwest

Date: June 21, 2017

Photographer: Paul Prys, Tetra Tech, Inc. (Tetra Tech)

Witness: None

Subject: The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the backyard lawn located at 226 Crane Street. ER used hoses to wet the asbestos-contaminated soil during removal activities.



OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: Not applicable

Date: May 10, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER used an excavator and hand tools to remove ACM and asbestos-contaminated soil from the tree line area located on the western side of 226 Crane Street. ER used hoses to wet the asbestos-contaminated soil during removal activities.



OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

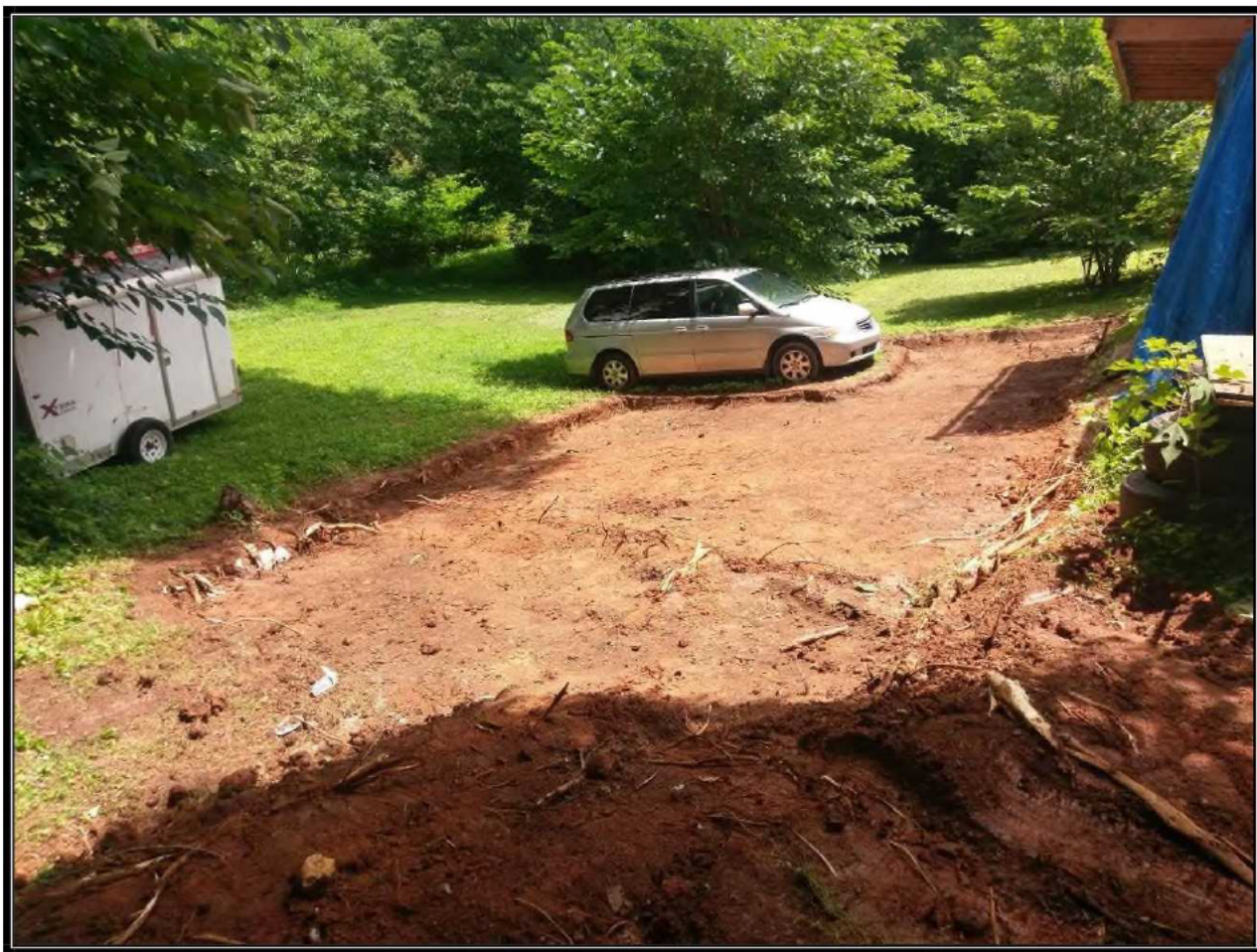
Orientation: Not applicable

Date: June 21, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER placed plastic sheeting under the dump trucks to prevent asbestos-contaminated soil from falling onto the road during removal activities.



OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

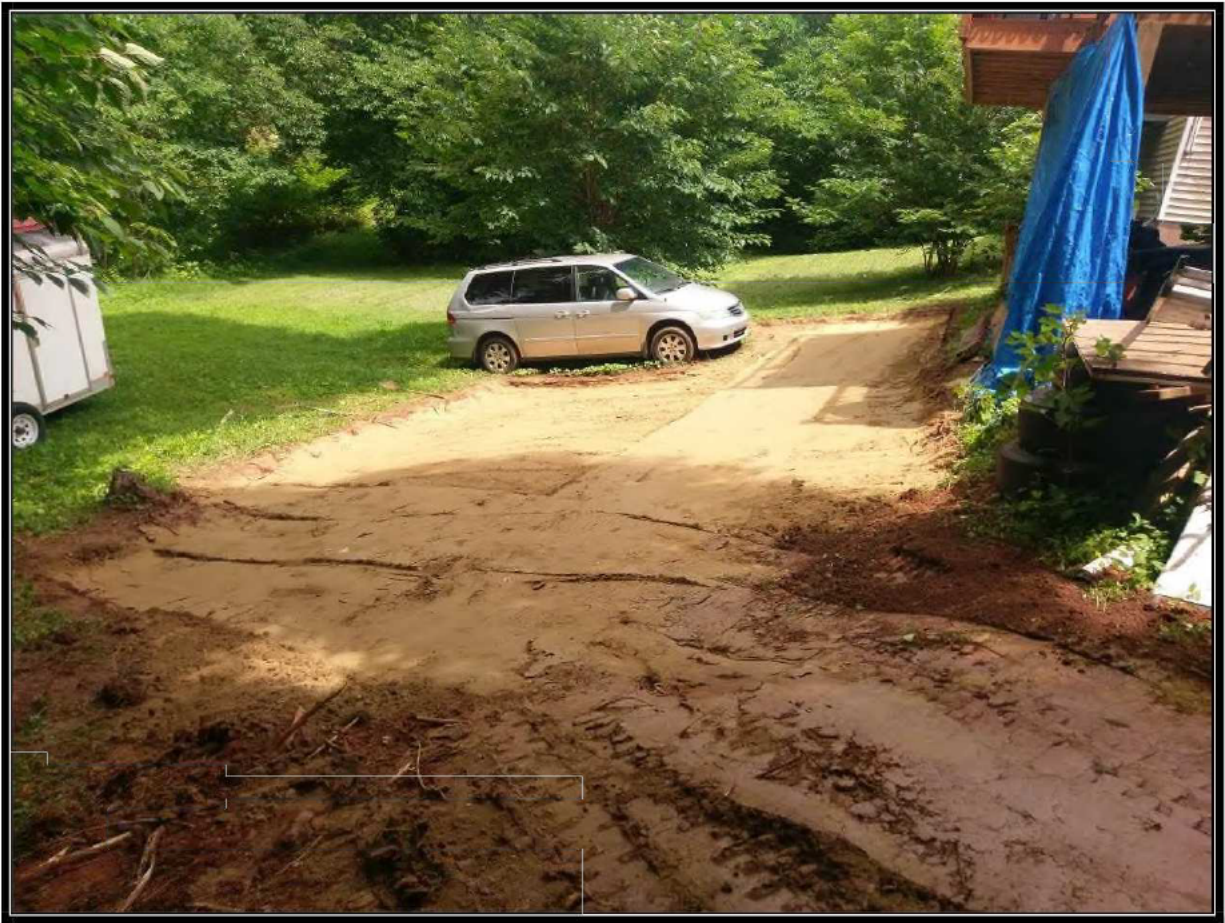
Orientation: Southeast

Date: June 21, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: Tetra Tech Superfund Technical Assessment and Response Team (START), State of North Carolina-accredited asbestos inspector and air monitor, visually inspected the excavated areas for the presence of visible ACM. Since no visible ACM was detected in the excavated areas, restoration was allowed to commence.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: East

Date: June 21, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER installed snow fencing along the subsurface of the excavated backyard lawn and backfill using dump trucks and a skid steer after the visual inspection conducted by Tetra Tech START, State of North Carolina-accredited asbestos inspector and air monitor, detected no visible ACM in the excavated areas.



OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: East

Date: June 21, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER used dump trucks, skid steers, and rakes to install topsoil in the excavated backyard lawn.



OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: Southwest

Date: June 23, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER installed sod in the excavated backyard lawn and used a water buffalo the water the sod after it was installed.



OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: Northeast

Date: June 23, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER installed sod in the excavated tree line area located on the western side of the residence and used a water buffalo the water the sod after it was installed.